

GSL Halophiles

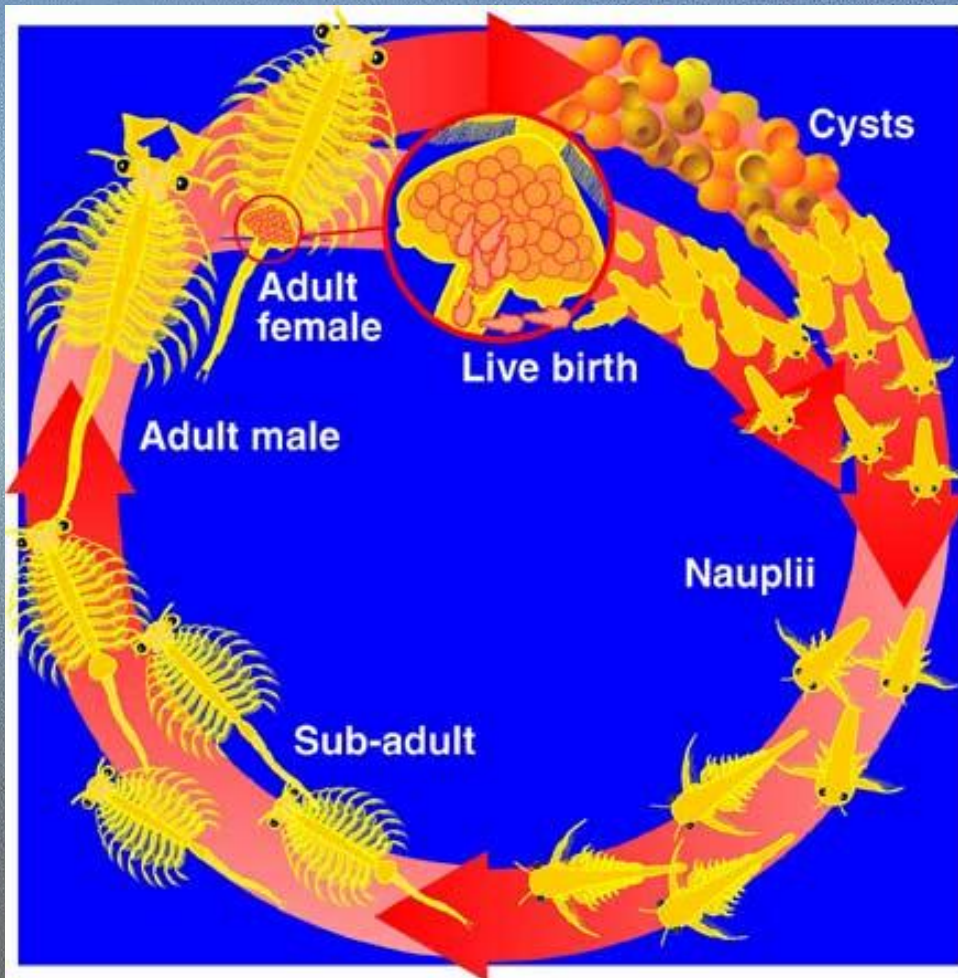


What is a Brine Shrimp

- Crustacean
- Adults $\frac{1}{2}$ inch long
- Live about 90 days
- Found in oceans and hyper-saline lakes
- Eat algae
- Reproduce Sexually



Brine Shrimp

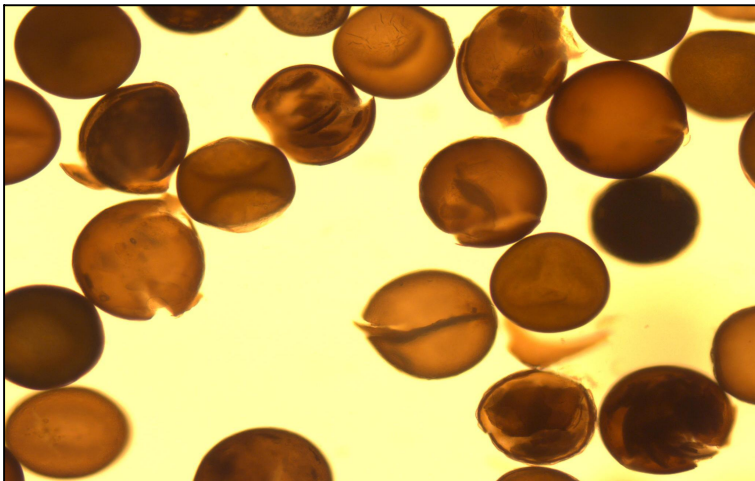


- ✴ Hatch in March at 4 deg. C
- ✴ Produce 2-4 generations
- ✴ Live birth during the summer
- ✴ Cyst production during the late summer
- ✴ Die-off in late fall when temperatures become too cold (~50 F)

Brine Shrimp Harvesting



- Eggs (cysts) are harvested, not shrimp
- Most eggs float at times
- Eggs extremely small
~ $\frac{1}{4}$ million in a rounded teaspoon



Beach Harvest



- Eggs float in masses (called streaks)
- Blow to the shore
- Harvested by workers with shovels and bags
- Transported to cleaning stations at the lake

Water Harvest

- Streaks spotted by aircraft, harvest boats directed to area
- Streaks surrounded by oil containment boom
- Pumped aboard and into sacks
- Transported to the harbor



Lake Harvest



Brine Fly

